

ABSTRACT

5 A weight vector of a precedent frame calculated by a weight vector
calculator (4) and stored in a memory (3) is applied to a signal received
through a plurality of antennas ($ANT_1, \dots, ANT_n$) for removing an
interference wave component. A synchronous position is detected from the
signal subjected to removal of the interference wave component by a
method of correlation synchronization, and supplied to the weight vector
calculator (4). The weight vector calculator (4) executes calculation of a
10 weight vector with the detected synchronous position as a start position.
Thus, when signals of the same frequency are received in a CS in an
overlapping manner, the synchronous position of a signal received from a
desired PS can be correctly specified.



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